

LEGEND 700 PCIe Gen3 x4  
M.2 2280 Solid State Drive

# JUMP START YOUR CREATIVITY



## LEGEND 700 PCIe Gen3 x4 M.2 2280 Solid State Drive

Make your creations legendary with the ADATA LEGEND 700. Enhance your creativity with sustained read/write speeds of up to 2,000/1,600MB per second on the latest Intel and AMD platforms.

### Features

- Ultra-fast PCIe Gen3 x4 interface
- R/W speed up to 2,000/1,600MB/s
- NVMe 1.3 support
- Heat sink reduces temp. effectively
- Supports Host Memory Buffer(HMB)
- Advanced hardware LDPC ECC Technology
- AES 256-bit encryption support
- Great upgrade option for creators
- For aspiring or amateur content creators looking to edit photos/videos, illustrate, and other tasks
- Free software: SSD Toolbox and Migration Utility

### Ordering Information

Capacity	Model Number	EAN Code
256GB	ALEG-700-256GCS	4711085938251
512GB	ALEG-700-512GCS	4711085938183
1TB	ALEG-700-1TCS	4711085938190
2TB	ALEG-700-2TCS	4711085942753

\*2TB (= 1,024GB), part of the capacity is used for formatting and system files, and the actual available capacity will be less than the listed capacity on the product.



## Specifications

- Capacity: 256GB / 512GB / 1TB / 2TB
- NAND Flash: 3D NAND
- Interface: PCIe Gen3 x4
- Form Factor: M.2 2280
- Sequential read/write (Max.):  
Read 2,000MB/s ; write 1,600MB/s
- Operating Temperature: 0°C-70°C
- Storage Temperature: -40°C-85°C
- Shock Resistance: 1500G/0.5ms
- Dimensions (L x W x H):  
80 x 22 x 3.13mm (with heat sink)  
80 x 22 x 2.15mm (without heat sink)
- Weight:  
9g / 0.32oz (with heat sink)  
6.2g / 0.22oz (without heat sink)
- Terabytes Written (TBW)(Max. capacity): 480TB
- MTBF: 1,500,000 hours
- Warranty: 3-year limited
- Certifications: CE, FCC, BSMI, KC, EAC, RCM, morocco, UKCA, RoHS

## Performance

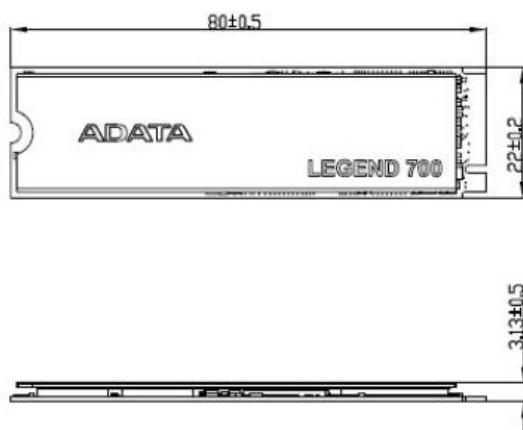
Capacity	Sequential Performance (Up to) <sup>1</sup>		TBW <sup>2</sup>
	Read (MB/s)	Write (MB/s)	
256GB	1,900	1,000	80TB
512GB	2,000	1,600	160TB
1TB	2,000	1,600	320TB
2TB	2,000	1,600	480TB

\*Performance may vary based on SSD capacity, hardware test platform, test software, operating system, and other system variables

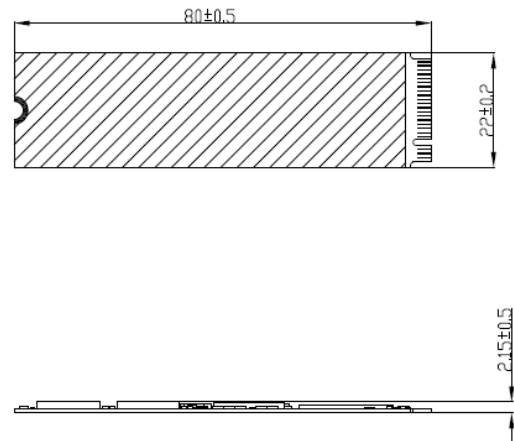
\*\*The value is the minimum amount of terabyte written that could be reached.

## Schematics

<With heatsink>



<Without heatsink>



ADATA Technology Co., Ltd  
2F, No.258 Liancheng Rd.,  
Zhonghe Dist., New Taipei City 235, Taiwan  
T: +886-2-8228-0886  
F: +886-2-8228-0887  
E: [adata@adata.com](mailto:adata@adata.com)

CAN ICES-3 (B)/NMB-3(B)

WARNING: Cancer and  
Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

UK	REP	APEX CE SPECIALISTS LIMITED Ridgeway, 28 Phoenix Road, Macclesfield Tel: +44 (0)1625 570000 E-mail: <a href="mailto:adata_uk@apexce.com">adata_uk@apexce.com</a>
EU	REP	ADATA Technology E.V. Address: Transkopen, Struichdijk 17-21, 2132 WT, Houtskoppe, The Netherlands E-mail: <a href="mailto:adata_europe@adata.com">adata_europe@adata.com</a>

